

LUD 5353.5 JEL/NDH (10016355)

**Fig** HLA-A1. Use of these materials in therapeutic and diagnostic contexts are also a part of the invention.

### IN THE SPECIFICATION

Page 1, line 10: change "764,364" to --764,365--.

Page 7, line 34: change "Figure 1 depicts" to --Figures 1A and 1B depict--

### IN THE CLAIMS

Please cancel claims 22-37 without prejudice. Add claims 38-66 which follow. Please charge any necessary fees to Deposit Account 500624.

Claim 38: An isolated nucleic acid molecule which encodes a tumor rejection antigen precursor, wherein the complementary sequence of said isolated nucleic acid molecule hybridizes to the nucleotide sequence set forth in SEQ ID NO: 13, 14 or 15 at 0.1XSSC, 0.1%SDS.

Claim 39: An isolated nucleic acid molecule which encodes a fragment of a tumor rejection antigen precursor, wherein the complementary sequence of said isolated nucleic acid molecule hybridizes to the nucleotide sequence set forth in SEQ ID NO: 13, 14 or 15 at 0.1XSSC, 0.1%SDS.

Claim 40: An isolated nucleic acid molecule which encodes a tumor rejection antigen, wherein the complementary sequence of said isolated nucleic acid molecule hybridizes to the nucleotide sequence set forth in SEQ ID NO: 13, 14 or 15 at 0.1XSSC, 0.1%SDS.

Claim 41: An isolated cDNA molecule which encodes a tumor rejection antigen precursor, wherein the complementary sequence of said isolated nucleic acid molecule hybridizes to nucleotides 625-1578 of SEQ ID NO: 13, nucleotides 625-1578 or SEQ ID NO: 14, or nucleotides 1-670 of SEQ ID NO: 15, at 0.1XSS, 0.1%SDS.

Claim 42: The isolated nucleic acid molecule of claim 38, wherein said nucleic acid molecule is cDNA.

Claim 43: An isolated cDNA molecule which encodes a fragment of a tumor rejection antigen precursor, wherein said fragment is processed by cell to a tumor rejection antigen, wherein the complementary sequence of said

LUD 5353.5 LNV JEL/NDH (10016355)

isolated nucleic acid molecule hybridizes to nucleotides 625-1578 of SEQ ID No: 13, nucleotides 625-1578 or SEQ ID NO: 14, or nucleotides 1-670 of SEQ ID NO: 15 at 0.1XSSC, 0.1%SDS.

sub F2  
Claim 44: An isolated cDNA molecule which encodes a tumor rejection antigen, said tumor rejection antigen consisting of an amino acid sequence that is part of a tumor rejection antigen precursor, wherein said tumor rejection antigen precursor is encoded by a nucleic acid molecule the complementary sequence of which hybridizes to nucleotides 625-1578 of SEQ ID NO: 13, nucleotides 625-1578 or SEQ ID NO: 14, or nucleotides 1-670 of SEQ ID NO: 15 at 0.1XSSC, 0.1% SDS.

Claim 45: The isolated nucleic acid molecule of claim 38, comprising SEQ ID NO: 13, 14 or 15.

Claim 46: An expression vector comprising the isolated nucleic acid molecule of claim 42, operably linked to a promoter.

Claim 47: An expression vector comprising the isolated nucleic acid molecule of claim 43, operably linked to a promoter.

F2  
Claim 48: An expression vector comprising the isolated nucleic acid molecule of claim 44, operably linked to a promoter.

Claim 49: A host cell transformed or transfected with the isolated nucleic acid molecule of claim 38.

Claim 50: A host cell transformed or transfected with the isolated nucleic acid molecule of claim 39.

Claim 51: A host cell transformed or transfected with the isolated nucleic acid molecule of claim 40.

Claim 52: The host cell of claim 49, wherein said cell is a fibroblast.

Claim 53: The host cell of claim 50, wherein said cell is a fibroblast.

Claim 54: The host cell of claim 51, wherein said cell is a fibroblast.

Claim 55: The host cell of claim 49, wherein said cell is a mammalian cell.

Claim 56: The host cell of claim 50, wherein said cell is a mammalian cell.

Claim 57: The host cell of claim 51, wherein said cell is a mammalian cell.

LUD 5353.5 V JEL/NDH (10016355)

Claim 58: An isolated nucleic acid molecule which encodes a tumor rejection antigen precursor encoded by nucleotides 13, nucleotides 625-1578 or SEQ ID NO: 14, or nucleotides 1-670 of SEQ ID NO: 15.

Claim 59: An isolated nucleic acid molecule which encodes a fragment of a tumor rejection antigen precursor that is encoded by nucleotides 13, nucleotides 625-1578 or SEQ ID NO: 14, or nucleotides 1-670 of SEQ ID NO: 15.

Claim 60: An isolated nucleic acid molecule which encodes a tumor rejection antigen, the amino acid sequence of which consists of an amino acid sequence that is a part of the amino acid sequence encoded by nucleotides 13, nucleotides 625-1578 or SEQ ID NO: 14, or nucleotides 1-670 of SEQ ID NO: 15.

Claim 61: The isolated nucleic acid molecule of claim 58, wherein said nucleic acid molecule is cDNA.

Claim 62: The isolated nucleic acid molecule of claim 59, wherein said molecule is cDNA.

Claim 63: The isolated nucleic acid molecule of claim 60, wherein said molecule is cDNA.

Claim 64: An isolated genomic DNA molecule which encodes a MAGE4 or MAGE-41 tumor rejection antigen precursor comprising one of

- (i) nucleotides 625-1578 of SEQ ID NO: 13;
- (ii) nucleotides 625-1578 of SE ID NO: 14, or
- (iii) nucleotides 1-670 of SEQ ID NO: 15.

Claim 65: An isolated genomic DNA molecule which encodes the protein encoded by the isolated genomic DNA molecule of claim 64.

Claim 66: An isolated genomic DNA molecule consisting of:

- (i) nucleotides 625-1578 of SEQ ID NO: 13; (ii)
- (ii) nucleotides 625-1578 of SE ID NO: 14, or
- (iii) nucleotides 1-670 of SEQ ID NO: 15.